

IN THE CLAIMS:

1.-29. (Cancelled)

30. (New) A manufacturing method for an anion adsorbing carbon material, comprising:

providing a solution including calcium ions that are brought into contact with a raw material comprising plant material;

5 carbonizing the raw plant material with the calcium ions; and

applying an acid solution to the carbonized plant material to combine anions with predetermined anions of a type that can be exchanged with anions that are the object of adsorption of the anion adsorbing carbon material.

31. (New) The manufacturing method for an anion adsorbing carbon material of Claim 30 further including the step of drying the solution of calcium ions and raw plant material before the step of carbonizing the raw plant material.

32. (New) The manufacturing method for an anion adsorbing carbon material of Claim 30 where the carbonizing of the raw plant material is performed without any activation of the carbon for increasing a physical adsorption effective area.

33. (New) The manufacturing method for an anion adsorbing carbon material of Claim 30 wherein carbonization is performed at a temperature of approximately 650°C to 750°C to provide deposits of a calcium compound as functional groups on the carbonized material.

34. (New) The manufacturing method for an anion adsorbing carbon material of Claim 30 where the solution includes an acid including HCl or H₂SO₄.

35. (New) The manufacturing method for an anion adsorbing carbon material of Claim 34 where the concentration of the acid solution is within a range of 0.01 mol/L to 20 mol/L.

36. (New) The manufacturing method for an anion adsorbing carbon material of Claim 30 where the solution includes a liquid acid solution and the raw plant material is immersed in the liquid acid solution within a pressure range of 1330 Pa to 13.1 Pa.

37. (New) The manufacturing method for an anion adsorbing carbon material of Claim 30 wherein the carbonized raw plant material and calcium ions are cooled to an ambient temperature before applying an acid solution.

38. (New) The manufacturing method for an anion adsorbing carbon material of Claim 30 wherein the raw plant material is a ligneous material.

39. (New) The manufacturing method for an anion adsorbing carbon material further comprising drying the acid treated carbonized plant material and forming the dried material into one of grains and pellets.

40. (New) The manufacturing method for an anion adsorbing carbon material of Claim 30 is neutralized after the applying of an acid solution.

41. (New) The manufacturing method for an anion adsorbing carbon material of Claim 30 wherein the solution is milk of lime water with at least 5% weight of calcium ions which is agitated with the raw plant material to soak the calcium ions into the raw plant materials.

42. (New) The manufacturing method for an anion adsorbing carbon material of Claim 32 wherein the calcium ions are provided within one of a calcium chloride solution and a calcium acetate solution.

43. (New) The manufacturing method for an anion adsorbing carbon material of Claim 30 wherein the anions of the object of adsorption are nitrates and fluorides.

44. (New) The manufacturing method for an anion adsorbing carbon material of Claim 30 further including the step of treating spent anion adsorbing carbon material with one of a solution of a NaCl solution, a KCl solution to restore the chloride ions on the anion adsorbing carbon material.

45. (New) A manufacturing method for an anion adsorbing carbon material, comprising:

providing a liquid solution including calcium ions that are brought into contact with a raw material comprising plant material;

5 carbonizing the raw plant material with the calcium ions to form a non-activated carbon intermediate product with calcium ions adhered to the non-activated carbon; and

applying an acid solution to the carbonized plant material to combine anions with predetermined anions of a type that can be exchanged with anions that are the object of adsorption of the anion adsorbing carbon material.

46. (New) The manufacturing method for an anion adsorbing carbon material of Claim 45 further including the step of drying the solution of calcium ions and raw plant material before the step of carbonizing the raw plant material.

47. (New) The manufacturing method for an anion adsorbing carbon material of Claim 46 wherein carbonization is performed at a temperature of approximately 650°C to 750°C to provide deposits of a calcium compound as functional groups on the carbonized material.

48. (New) The manufacturing method for an anion adsorbing carbon material of Claim 30 is neutralized after the applying of an acid solution.

49. (New) The manufacturing method for an anion adsorbing carbon material of Claim 48 wherein the raw plant material is a ligneous material.